

50-100W

DC/DC

## CMZ Series

## Features

- Industry standard 1/4 brick
- Full load efficiency up to 89% @5V
- 1500VDC isolation strength
- High efficiency, design for high reliability
- High conversion efficiency
- Current limiting & short circuit protection, with self recovery



## Input Characteristic

Voltage Range	24 VDC	18-36 VDC
	48 VDC	36-72 VDC

Reverse Protection      Connect Fuse Outside

## Output Characteristic

Voltage Set-point Accuracy	± 1%
Output Voltage Range	± 10%
Line Regulation	± 0.2%
Load Regulation	± 0.4%
Temperature Coefficient	± 0.01%/°C
Output Current Limiting	120%(Typ)
Dynamic Response	400µs
Output Current	4-20A 任选
Output Voltage	1.8-28V
Power	50-100W

## General Characteristic

Switching Frequency	250	KHz
Isolation Resistance	200	M Ω
MTBF	>1000000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

## Environmental Characteristics

Case Temperature	(Industry) -25 - +85 °C
	(Military I) -40 - +85 °C
	(Military II) -55 - +85 °C
Storage Temperature	(Industry) -45 - +105 °C
	(Military) -55 - +105 °C

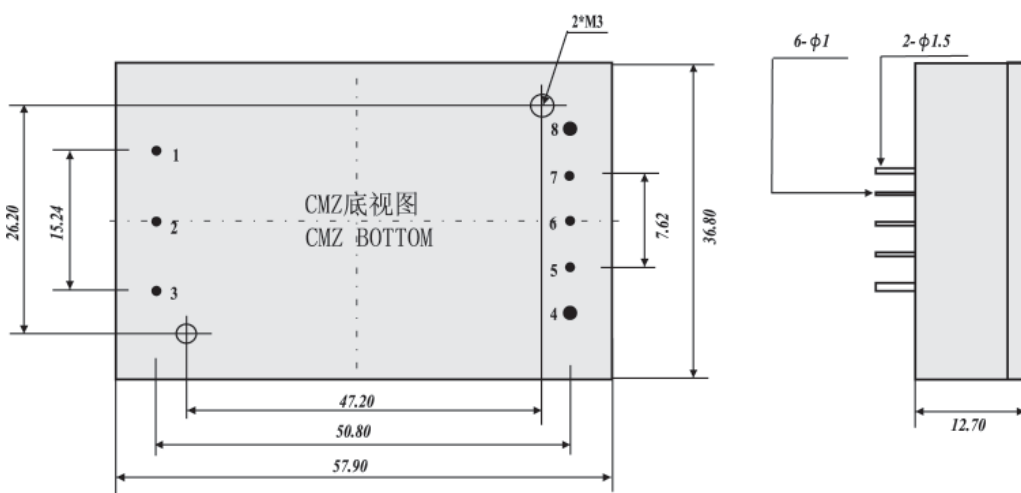
## Heat Characteristic

Cooling	Thermal Resistance	With Heat Sink
Breeze of Nature	9.82°C/W	6.87°C/W
0.5M/S	8.17°C/W	5.16°C/W
1M/S	6.14°C/W	3.75°C/W
1.5M/S	4.46°C/W	3.10°C/W
2M/S	3.69°C/W	8.25°C/W

Models							
Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models	
24	18-36	05	15	50	88%	CMZ75-24S05	
24	18-36	12	8.33	120	86%	CMZ100-24S12	
24	18-36	15	6.67	150	89%	CMZ100-24S15	
48	36-72	05	15	50	88%	CMZ75-48S05	
48	36-72	12	8.33	120	86%	CMZ100-48S12	
48	36-72	15	6.67	150	89%	CMZ100-48S15	

Only typical models listed. If you need other model, please contact us for costum models

## Mechanical drawing and pin definition



单位 (Unit) :mm

引脚 PIN	单路 SING
1	-Vin
2	REM
3	+Vin
4	+Vo
5	+SENSE
6	TRIM
7	-SENSE
8	-Vo